

Setup and Quick Use Guide

Projection
Television

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PHILIPS

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Getting Started

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IMPORTANT

NOTE: This owner's manual is used with several different television models. Not all features (and drawings) discussed in this manual will necessarily match those found with your television set. This is normal and does not require that you contact your dealer or request service.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THIS UNIT TO RAIN OR EXCESSIVE MOISTURE.

BASIC TV CONNECTIONS



ANTENNA OR CABLE TV

See the next page for details on connecting a cable converter box.

ANTENNA A AND B INPUTS

Your TV has two separate ANT(enna)/cable inputs on the back of the set. These two signal inputs offer convenient hookup options for both normal TV program viewing and Picture-In-Picture (PIP) features.

The ANT(enna) "A" input is intended for use and viewing on the TV's main screen. Your home's primary antenna or cable TV signal should be connected to this input for normal TV setup, use, and feature operation.

The PIP ANT(enna) "B" input is a second, or auxiliary, signal source included for your TV's Picture-In-Picture (PIP) feature. For many homes, the use of a single existing antenna or cable TV source for both ANT(enna) "A" and PIP ANT(enna) "B" will be the preferred method of connection (see illustration to the right). This type of connection (optional signal splitter required) will work properly for the TV's main on-screen features, as well as retain all the features designed for PIP. For more details on PIP, refer to pages 49-52 in the Directions for Use manual that came with your set.



SMART HELP

Contact your dealer, or our Parts Information Center at 1-800-851-8885 to order the following accessories: two-way signal splitter, RF coaxial cable, 300-ohm to 75-ohm adapter, combination VHF/UHF antenna.

BEGIN

- 1 Connect a cable TV signal to a 75-ohm two-way signal splitter (an optional accessory).
Or
Connect an outdoor or indoor antenna signal to the 75-ohm two-way signal splitter. If your antenna has flat twin-lead wire (300 ohm), you must first attach the antenna wires to the screws on a 300-to 75-ohm adapter before connecting to the two-way signal splitter.

- 2 Connect two lengths of RF coaxial cable to the two output plugs on the two-way signal splitter. The two lengths of RF coaxial cable must have F-type connectors (screw-on or push type) on their ends.

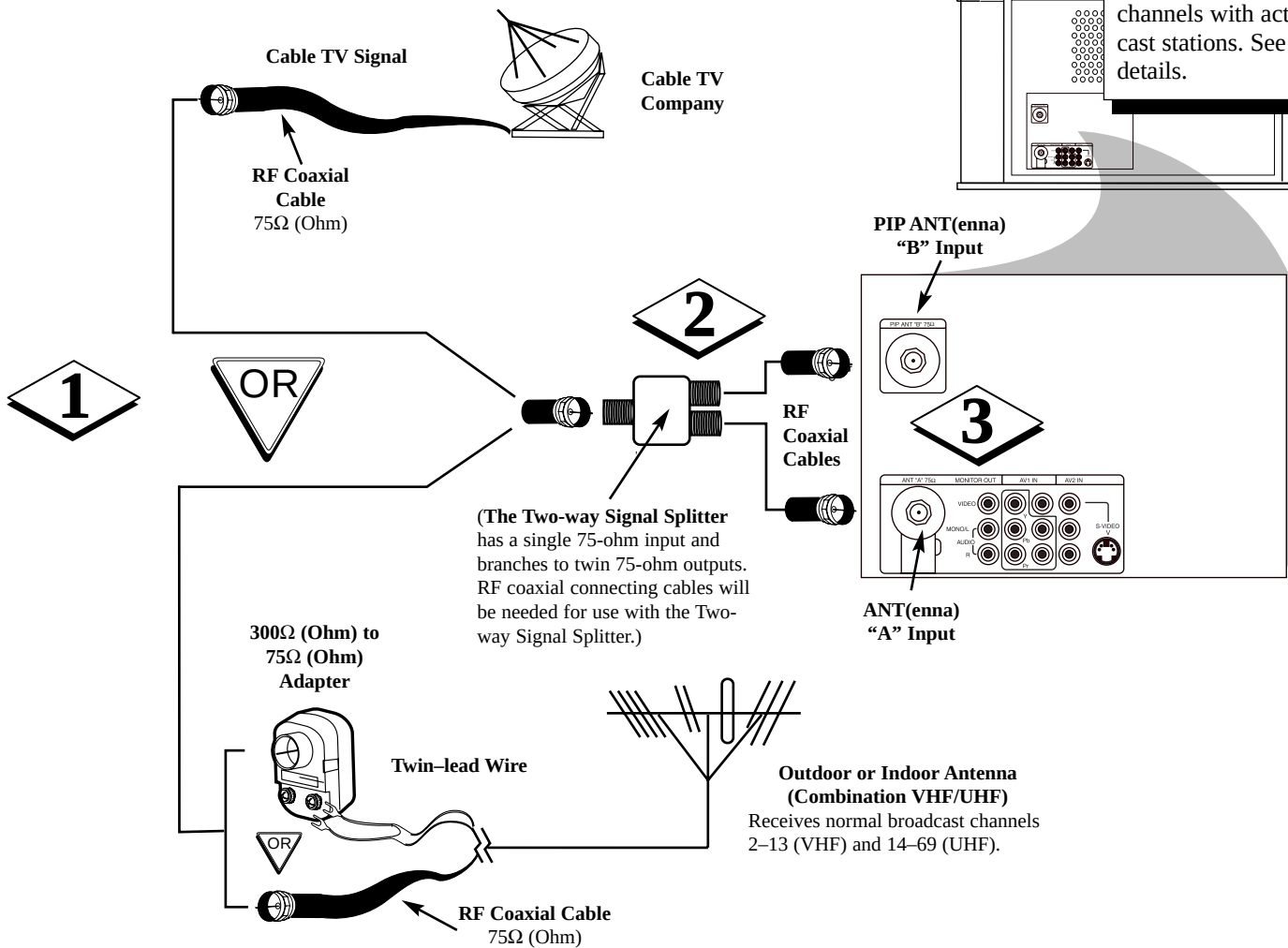
- 3 Connect one of the RF coaxial cables coming from two-way signal splitter to the PIP ANT(enna) "B" input on the back of the TV and the other RF coaxial cable to the ANT(enna) "A" input on the back of the TV.



SMART HELP

You can treat the output connection of a satellite receiver as you would a standard antenna or cable TV signal, except the satellite signal should not be split as shown in the illustration to the right. The satellite signal should go directly into the ANT(enna) "A" input connection on the back of the TV. Then, if you would like, use the PIP ANT(enna) "B" input connection for either an outdoor/indoor antenna or cable TV signal. Refer to the owner's manual for the satellite box to get further information on connections.

Run Auto Program to store in the TV's memory only the channels with active broadcast stations. See page 5 for details.



NOTE: Proper operation of your TV is not dependent upon the connection of the PIP ANT(enna) "B" input. The main purpose of the input is to provide an easily connected, dedicated picture source for the PIP feature. You can, however, use the PIP ANT(enna) "B" input to connect and display other signal sources such as an outdoor or indoor antenna or a video game player.

Although the PIP ANT(enna) "B" input can be used and swapped as the source for the TV's main picture, certain setup features (such as AutoChron) are based only on your TV's detecting a signal at the ANT(enna) "A" input. To ensure that all features are operating properly, you may *not* want to rely solely on the PIP ANT(enna) "B" input as your TV's main screen signal source.

BASIC TV CONNECTIONS



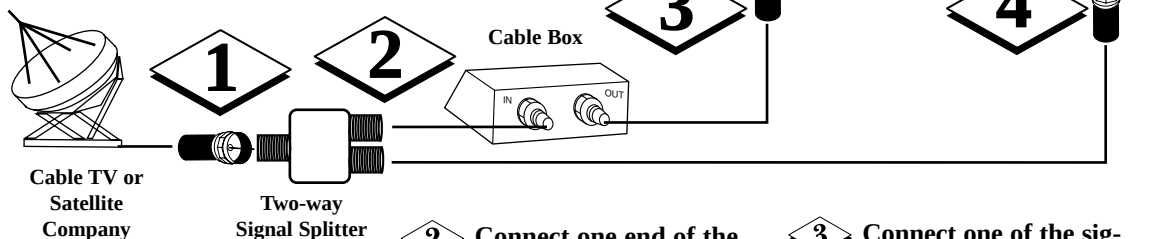
CABLE BOX

CABLE CONVERTER BOXES

If you use a cable converter box in your home, follow the steps to the right for an alternative ANT(enna) “A” and PIP ANT(enna) “B” input hookup. **NOTE:** The Cable TV signal will be split before connection to the cable box (an optional two-way 75-ohm signal splitter will be required).

NOTES:

- The signal routed to the TV’s ANT(enna) “A” input will allow for premium/movie channels to be viewable on the TV.
- For the ANT(enna) “A” input, you will select channels through the cable box.
- You must set your TV channel to the same output channel (usually CH 3 or 4) as the cable box before it is possible to use the cable box to change channels on the TV.



BEGIN

- 1 Connect your cable TV signal to the single 75-ohm input plug on a two-way signal splitter (optional).

- 2 Connect one end of the RF coaxial cable to each of the output plugs on the 75-ohm signal splitter. The two lengths of RF coaxial cable must have F-type connectors (screw-on or push type) on their ends.

- 3 Connect one of the signal splitter outputs to the input terminal on the cable box. Then route another connection from the cable box output terminal to the ANT(enna) “A” input on the back of the TV.

- 4 Connect the remaining signal splitter output from the two-way signal splitter to the PIP ANT(enna) “B” input on the back of the TV.

STOP

NOTES:

- The signal routed to the TV’s PIP ANT(enna) “B” input will allow you to select and view cable channels at the TV (except for the scrambled premium/movie channels).
- For PIP ANT(enna) “B,” you will select channels by pressing the PIP CH(annel) DN/UP buttons.

CABLE BOX • VCR • TV

Presented here is a connection involving a cable box, a VCR, and your TV. This setup allows you to view cable channels other than premium or scrambled ones on the PIP (Picture-in-Picture) screen. See pages 49–52 in your Directions for Use manual for details on the PIP feature.

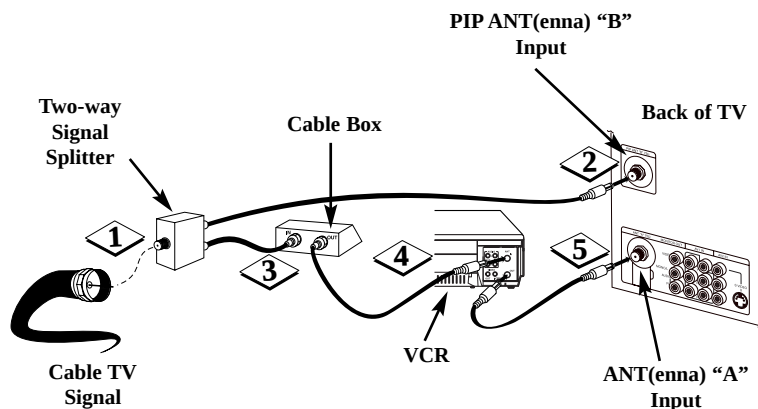
Refer to the owner’s manual for your VCR for further information on connections.

BEGIN

- 1 Connect a cable TV signal to a two-way signal splitter.
- 2 Use an RF coaxial cable to connect the two-way signal splitter to the PIP ANT “B” input on the back of the TV.
- 3 Use a second RF coaxial cable to connect the two-way signal splitter to the IN(put) on the cable box.

- 4 Use a third RF coaxial cable to connect the OUT(put) on the cable box to the ANT(enna) IN(put) on the VCR.
- 5 Use a fourth RF coaxial cable to connect the OUT(put) on the VCR to the ANT(enna) “A” input on the back of the TV.

STOP



TELEVISION AND REMOTE CONTROL OPERATION



TELEVISION

BEGIN

- 1 Press the **POWER /STANDBY** button to turn the TV on. Allow about 10 seconds for the TV to power on.
- 2 Press the **VOL(ume) UP** or **DOWN** buttons to increase or decrease the sound level.

Pressing both the **VOL(ume) UP** and **DOWN** buttons at the same time will display the on-screen menu. After you are in the menu, use these buttons to make adjustments or selections.

- 3 Press the **SOURCE SELECT** button to choose from among the signal source inputs you have connected to the television.

- 4 Press the **CH(annel) Scan** (+, –) buttons to select TV channels. Use these buttons to make adjustments or selections in the on-screen menu.

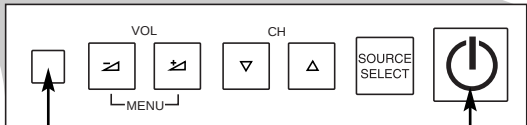
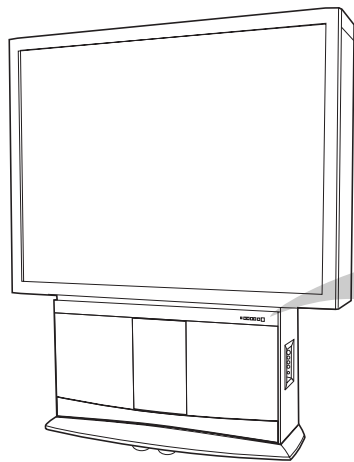
NOTE: Press three number buttons on the remote control for channels 100 or above. For example: Press 1 then 2 then 5 for channel 125.

STOP



SMART HELP

You can press any of the buttons on the front of the TV to turn the TV on, but you must press the Power/Standby button to turn the set off.



Remote Sensor Window

Power Standby Button



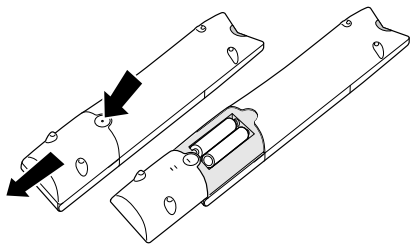
REMOTE

Battery Usage CAUTION—To prevent battery leakage which may result in bodily injury or damage to the unit:

- Install ALL batteries correctly, + and – as marked on the unit.
- Do not mix batteries: (OLD and NEW or CARBON and ALKALINE, etc.)
- Remove batteries when the unit is not used for a long time.

To load the supplied batteries into the remote:

1. Remove the battery compartment lid on the back of the remote.
2. Place the batteries (2-AA) in the remote. Be sure the (+) and (–) ends of the batteries line up correctly (the inside of the case is marked).
3. Reattach the battery lid.

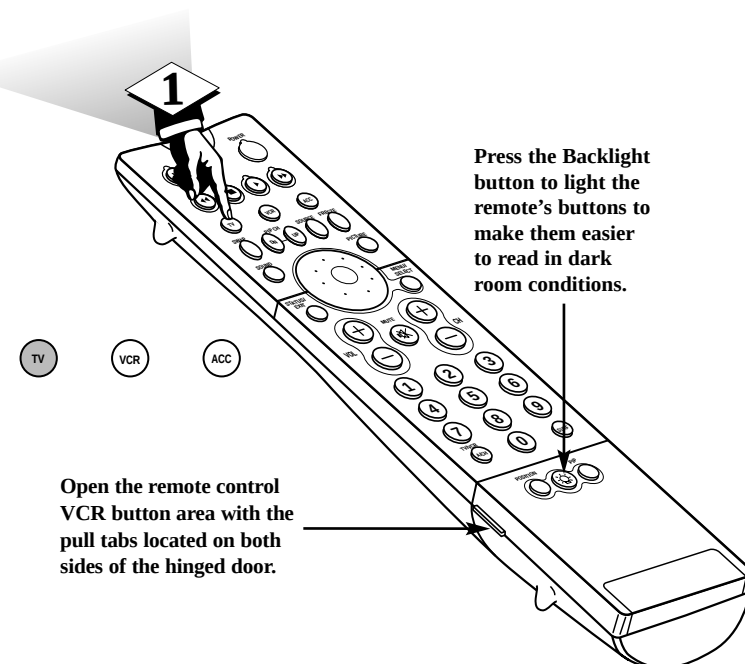


BEGIN

- 1 Press the **TV system** button on the remote to be sure the remote sends its commands to the TV.

Point the remote control toward the remote sensor window on the TV when operating the TV with the remote.

STOP



Press the Backlight button to light the remote’s buttons to make them easier to read in dark room conditions.

Open the remote control VCR button area with the pull tabs located on both sides of the hinged door.

TELEVISION AND REMOTE CONTROL OPERATION



REMOTE

VCR • DVD Buttons

While in VCR mode, press to control VCR functions. While in ACC mode, press to control DVD functions. The TV remote first must be set up to work the VCR or DVD. See pages 44–48 in the *Directions for Use* manual that came with your TV.

TV • VCR • ACC Mode Buttons

Press to send remote signals to either the TV or accessory VCRs, cable TV converters, satellite receivers, DVDs, or laser disc players. (See pages 44–48 in the *Directions for Use* manual that came with your set for details about setting your TV remote to work accessory devices. The capability of your TV remote to work the different functions of accessory devices may vary based on the accessory device.)

PIP Buttons

Press to operate the Picture-in-Picture (PIP) features. (See pages 49–52 in the *Directions for Use* manual that came with your TV.)

Sound Button

Press to select an AutoSound control. Choose from three factory-set controls—Voice, Music, and Theatre—and a Personal control that you set according to your own preferences through the on-screen Sound menu. The three factory-set controls will tailor the TV sound so as to enhance the type of program you are watching.

Cursor Ring

Press this ring to move up, down, left, or right through the list of on-screen controls. Press the center of the Cursor Ring to display the Program List feature screen. Program List can also be shown by pressing the Program List button (see the description below and to the right).

Status/Exit Button

Press to see the current channel number on the TV screen. Also press to clear the TV screen after control adjustments.

Volume Buttons

Press to adjust the TV sound level up (+) or down (–).

Number Buttons

Press to select TV channels. When selecting single-digit channels, press the number of the desired channel. The TV will pause for a few seconds and then tune to the selected channel.

A/CH Button

Press to toggle between the currently viewed and the previously viewed channels.

Rec • Clear Button

With the TV remote in VCR mode, press this button and the VCR play button at the same time to record a videotape. With the TV remote in VCR or ACC mode, press this button to remove incorrect information you have input in an on-screen menu.

A/V Button

Press to select a signal source for viewing.

Timer Button

Press to access the on-screen Timer menu, where you can set the time for the TV's clock or set the TV's Timer feature and use the TV like an alarm clock.

Power Button

Press to turn the TV on or off.

Picture Button

Press to select an AutoPicture control. Choose from four factory-set controls—Movies, Sports, Weak Signal, and Multimedia—and a PERSONAL control that you set according to your own preferences through the on-screen Picture menu. The four factory-set controls will tailor the TV picture so as to enhance the particular type of program you are watching or improve the picture of a program that has a weak signal.

Menu Button

Press to display the on-screen menu. A menu is nothing more than an on-screen list of features. Each menu item can be adjusted or set by viewing the screen and pressing buttons.

Channel Scan Buttons

Press to scan up (+) or down (–) through programmed channel numbers.

Mute Button

Press to turn the TV sound off. Press again to return the sound to its previous level.

Surf Button

Press to select previously viewed channels. With the TV's Channel Surf control on, you can place up to 10 channels in memory. Then by pressing the Surf button, you can quickly view the select channels. See page 40 in the *Directions for Use* manual that came with the TV to learn how to select a series of channels using the Surf button.

Sleep Button

Press to set the TV to automatically turn itself off after a period of time. Choose 15, 30, 45, 60, 90, 120, 180, or 240 minutes before the TV will automatically turn off.

Program List Button

Press to display a list of channel numbers and their names. See the “Tuner Mode,” “Auto Program,” “Channel Edit,” and “Name” sections on pages 5–7 in this guide for setup. Each channel will appear as a selectable menu item. The current channel will be highlighted by default. Five channels will be listed on screen at one time. Press the top or bottom part of the Cursor Ring to scroll the list and and highlight a channel. Press the right side of the Cursor Ring to tune to the highlighted channel. Channels marked “Skipped” in the “Channel Edit” control will not appear in the list. Any channel that is being blocked by AutoLock will appear with a padlock icon to indicate that the channel is not viewable.

Closed Captioning Button

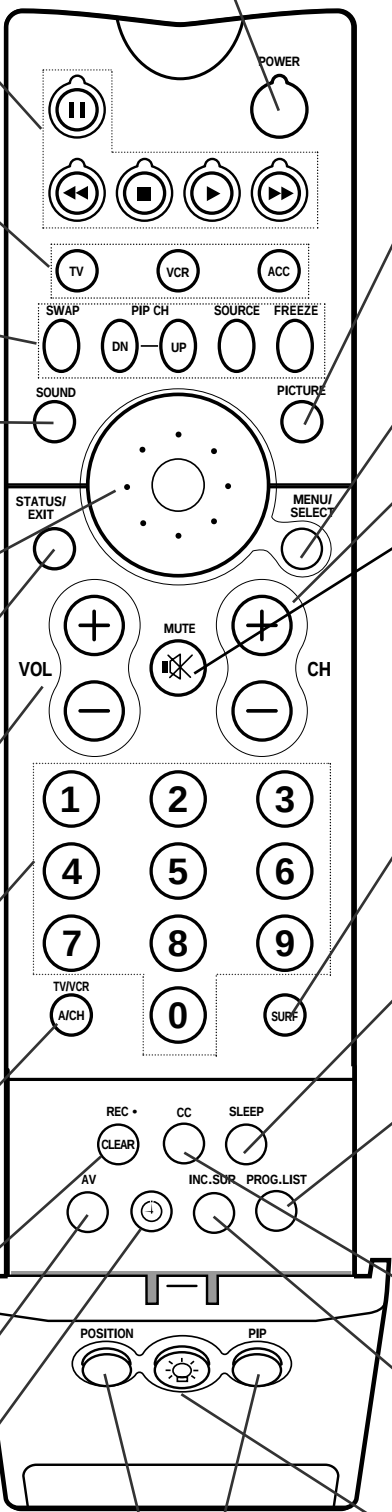
Press to select Closed Captioning options within the menu. See page 30 in the *Directions for Use* manual that came with your TV for details.

Incredible Surround Button

Press to set various factory surround-sound listening modes.

Back Light Button

Press to light the remote buttons.



PIP On/Off Button

Press to turn the Picture-in-Picture (PIP) feature on or off or reduce the size of the PIP window. PIP is the showing of two pictures on the TV at the same time—one main screen picture and one small picture, or PIP.

PIP Position Button

Press to move the PIP picture to any of the four corners of the TV screen.

The TV's TV • VCR • ACC Mode buttons control how the other buttons on the remote are used.



Examples:

With the TV Mode button pressed:

Use the Menu/Select button and Cursor Ring buttons to choose, set, or adjust on-screen TV features.

With the VCR Mode button pressed:

Use the Power, Channel Scan (+, –), dedicated VCR buttons, and others to send VCR commands or make menu selections.

With the ACC Mode button pressed:

Use the Power, Channel Scan (+, –), Cursor Ring, and other buttons to work cable TV converters, digital video disc players, laser disc players, and home satellite dish systems.

ON-SCREEN MENU CONTROLS

A menu is nothing more than an on-screen list of features. You can choose, set, or adjust your TV's menu features by viewing your options on the TV screen and pressing buttons on the TV or remote control.

BEGIN

1 Press the VOL(ume) UP and DOWN buttons on the TV at the same time. The main menu items (PICTURE, SOUND, FEATURES, INSTALL) will appear on the screen.

Or

Press the MENU/SELECT button on the remote.

2 Press the CH(annel) DOWN or UP buttons on the TV to move down or up to highlight a main menu item.

Or

Press the CURSOR RING DOWN or UP on the remote.

3 Press the VOL(ume) UP button on the TV to enter the item's control options menu (PICTURE menu control options, for example).

Or

Press the CURSOR RING RIGHT on the remote.

4 Press the CH(annel) DOWN or UP buttons on the TV to cycle through the PICTURE control options.

Or

Press the CURSOR RING DOWN or UP on the remote.

5 Press the VOL(ume) DOWN or UP button on the TV to adjust or set a control.

Or

Press the CURSOR RING LEFT or RIGHT on the remote.

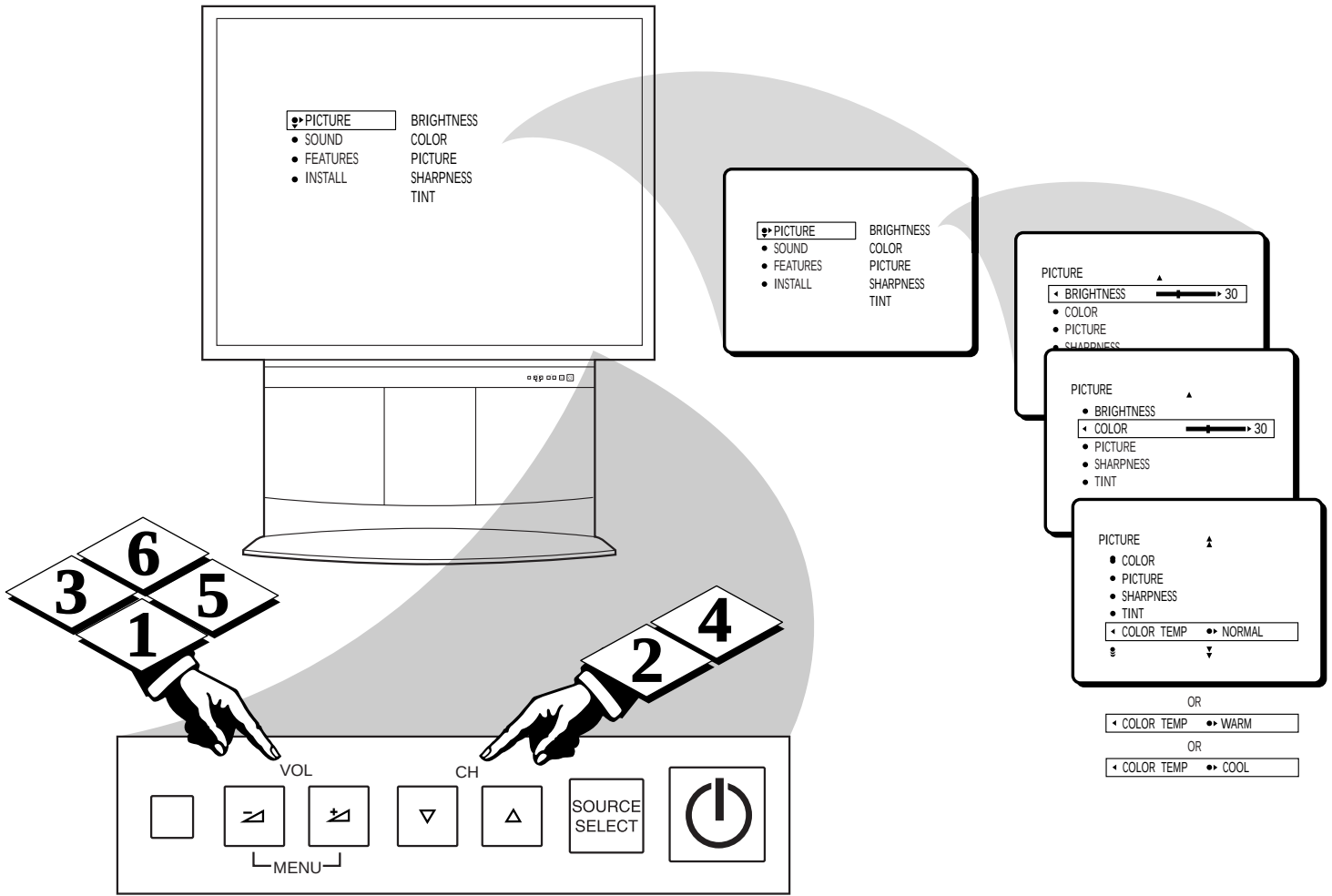
6 Press the VOL(ume) UP and DOWN buttons on the TV at the same if you want to back out of the menu screens.

Or

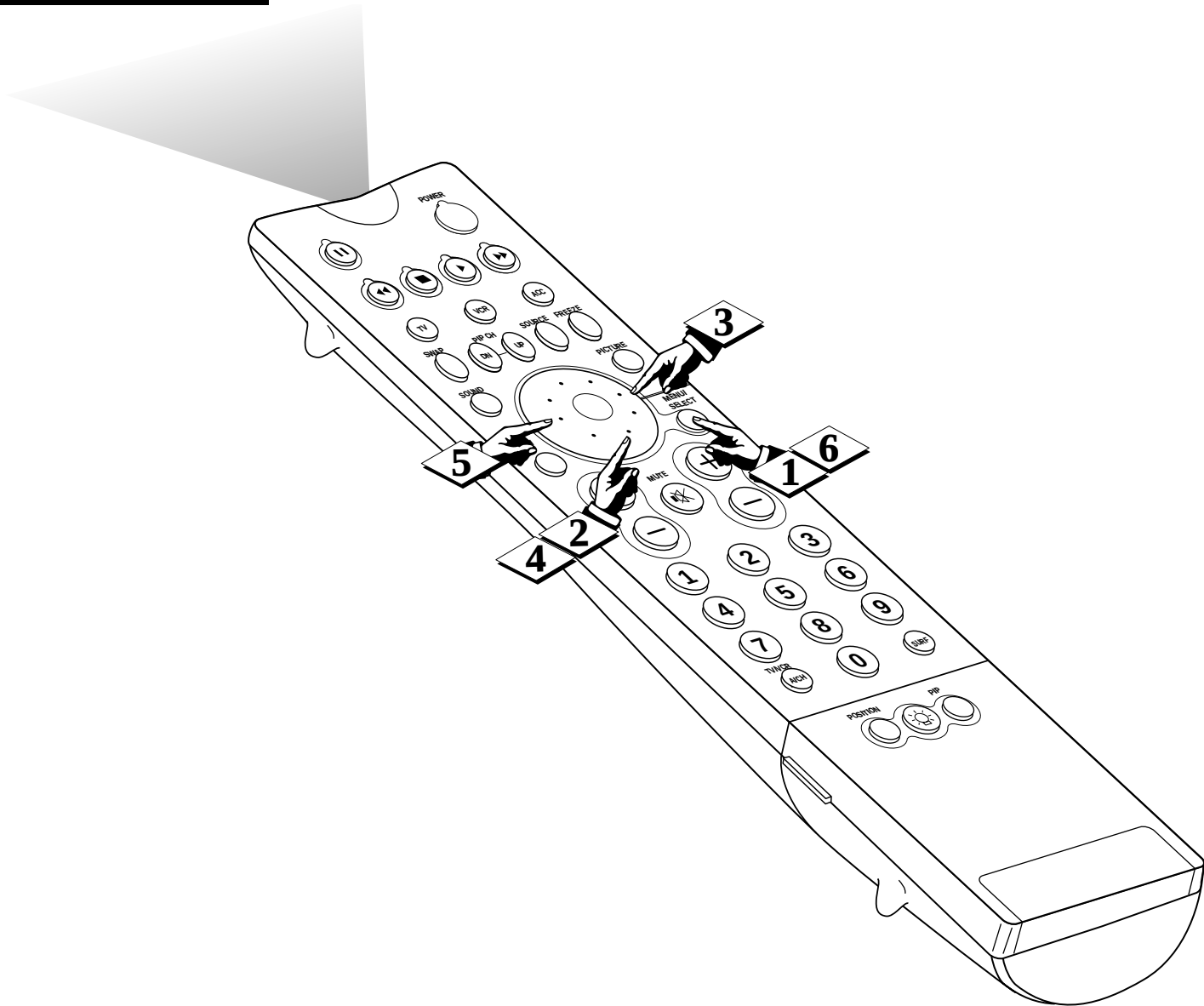
Press the MENU/SELECT button on the remote. Also, by pressing the STATUS/EXIT button on the remote, you can remove the menu from the screen.

STOP

TV BUTTONS



REMOTE CONTROL



HOW TO USE THE INSTALLATION FEATURES

LANGUAGE

The **LANGUAGE** control enables you to set the TV's on-screen menu to be shown in English, French, or Spanish. Follow the steps in this section to set the **LANGUAGE** control.

BEGIN

1 Press the **MENU/SELECT** button on the remote control to show the on-screen menu.

2 Press the **CURSOR RING DOWN** repeatedly until **INSTALL** is highlighted.

3 Press the **CURSOR RING RIGHT** to enter **INSTALL** menu.

4 Press the **CURSOR RING RIGHT** again to highlight the **LANGUAGE** control options.

5 Press the **CURSOR RING DOWN** to select **FRANCAIS** (French) or **ESPAÑOL** (Spanish) as the on-screen menu language.

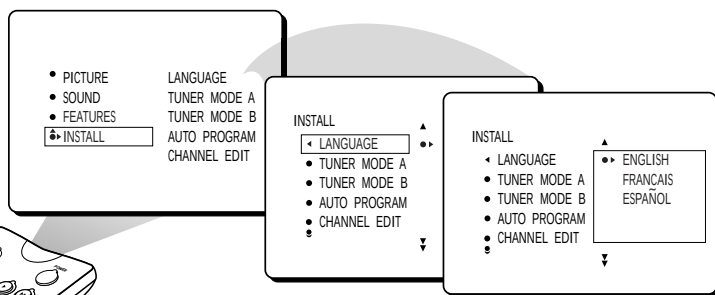
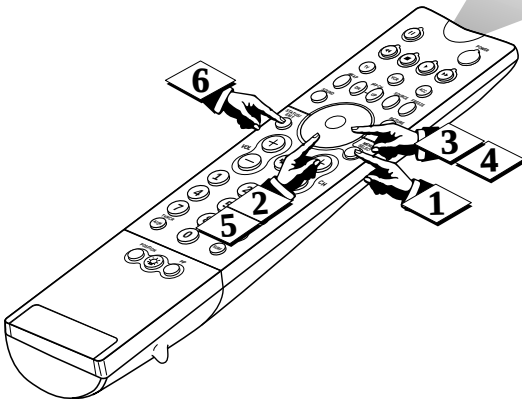
6 Press the **STATUS/EXIT** button to clear the menu from the screen.

STOP



SMART HELP

The **LANGUAGE** control makes only the TV's on-screen menu items appear in English, French, or Spanish text. The control does not change the language of Closed Captioning (CC) text that may be included with programs.



TUNER MODE

Your TV is equipped with two tuners—the **ANT[enna]** “A” input and the **PIP ANT[enna]** “B” input on the back of the TV. You can make **TUNER-A** your main signal source and **TUNER-B** your **PIP** signal source. Set the **TUNER MODE A** and **TUNER MODE B** controls according to the type of signal you have connected, **ANTENNA** or **CABLE**. Or select **AUTO** and the TV will automatically detect the type of signal.

BEGIN

1 Press the **MENU/SELECT** button on the remote control to show the on-screen menu.

2 Press the **CURSOR RING DOWN** repeatedly until **INSTALL** is highlighted.

3 Press the **CURSOR RING RIGHT** to enter the **INSTALL** menu.

4 Press the **CURSOR RING DOWN** until **TUNER MODE A** or **TUNER MODE B** is highlighted.

5 Press the **CURSOR RING RIGHT** to highlight the tuner options area.

6 Press the **CURSOR RING DOWN** until the dot and triangle are to the left of the option that matches your signal connection. If you want the TV to determine the type of signal, select **AUTO**.

7 Press the **STATUS/EXIT** button to clear the menu from the screen.

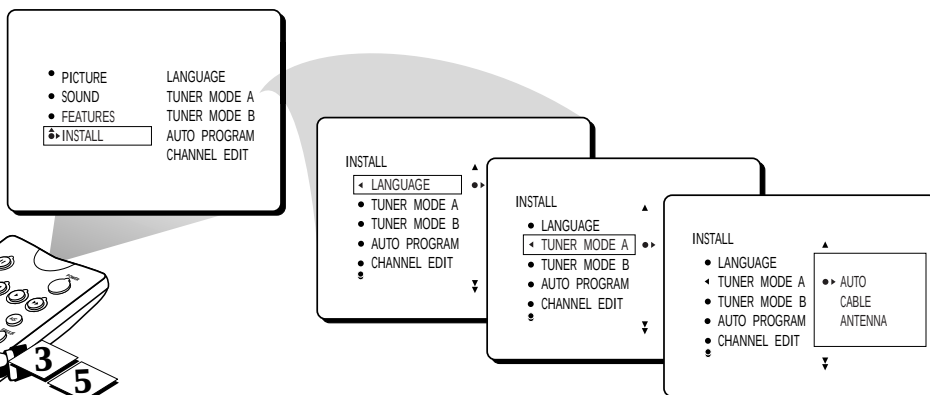
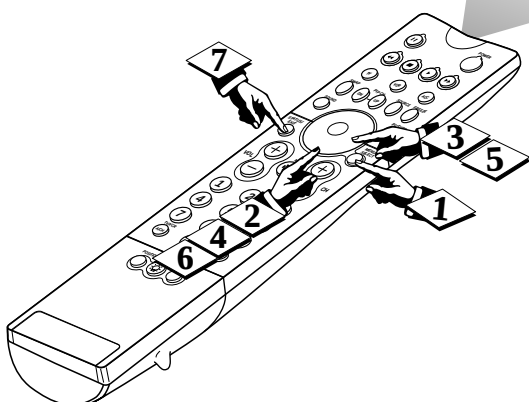
STOP



SMART HELP

The picture may be better if you select the option that matches your signal source (**ANTENNA** or **CABLE**) rather than **AUTO**.

After making the selection, use the **NUMBER** buttons on the remote to enter the channel you want to watch. When you select **CABLE**, channels 1–125 are available. When you select **ANTENNA**, channels 2–69 are available.



AUTO PROGRAM

The **AUTO PROGRAM** feature will scan for all available channels from regular antenna or cable signals. **AUTO PROGRAM** will store only active broadcast stations in the TV's memory. After you run **AUTO PROGRAM**, you can use the **CH(annel) Scan** (+, -) buttons to quickly and easily select stations. You can also press the **PROG. LIST** button to see a list of the available channels.

BEGIN

1 Press the **MENU/SELECT** button on the remote control to show the on-screen menu.

2 Press the **CURSOR RING DOWN** repeatedly until **INSTALL** is highlighted.

3 Press the **CURSOR RING RIGHT** to enter the **INSTALL** menu.

4 Press the **CURSOR RING DOWN** repeatedly until the **AUTO PROGRAM** control is highlighted.

5 Press the **CURSOR RING RIGHT** to start the Auto Program scanning of channels.

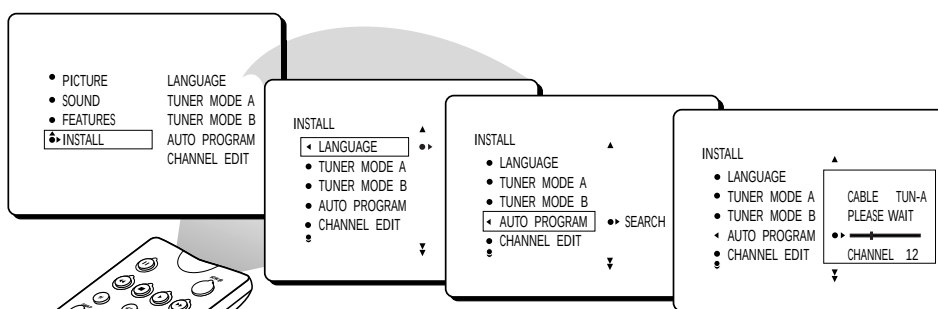
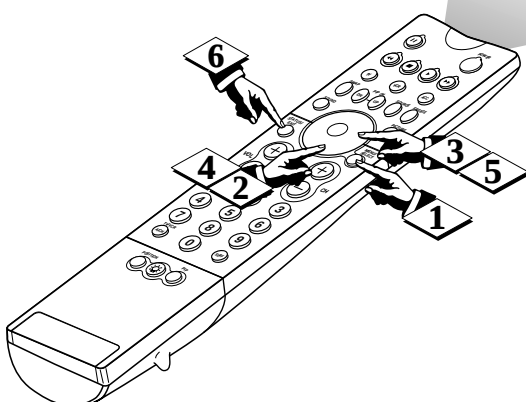
6 Press the **STATUS/EXIT** button to clear the menu from the screen.

STOP



SMART HELP

After you've run **AUTO PROGRAM**, check the results. Press the **CH(annel) Scan** (+, -) buttons to cycle through your available channels. Or press the **PROG. LIST** button to show a list of the channels.



How to Use the INSTALLATION FEATURES



CHANNEL EDIT

CHANNEL EDIT makes it easy for you to add or delete channels from the list of channels stored in the TV's memory.

BEGIN

1 Press the **MENU/SELECT** button on the remote control to show the on-screen menu.

2 Press the **CURSOR RING DOWN** repeatedly until **INSTALL** is highlighted.

3 Press the **CURSOR RING RIGHT** to enter the **INSTALL** menu.

4 Press the **CURSOR RING DOWN** repeatedly until the **CHANNEL EDIT** control is highlighted.

5 Press the **CURSOR RING RIGHT** to access the **CHANNEL EDIT** menu.

6 Press the **CURSOR RING UP** or **DOWN** to cycle through the list of available channels. Or press the number buttons on your remote to select a specific channel (for example, press **0** and then **2** to select channel 2).

7 With the channel you want to edit selected, press the **CURSOR RING RIGHT** to mark the channel as **SKIPPED**. Then the channel you've marked **SKIPPED** will not appear when you are changing from channel to channel while watching TV.

NOTE: When you want to add a channel that has been marked **SKIPPED**, press the **CURSOR RING UP** or **DOWN** to highlight the channel, then press the **CURSOR RING RIGHT** to remove the word **SKIPPED**.

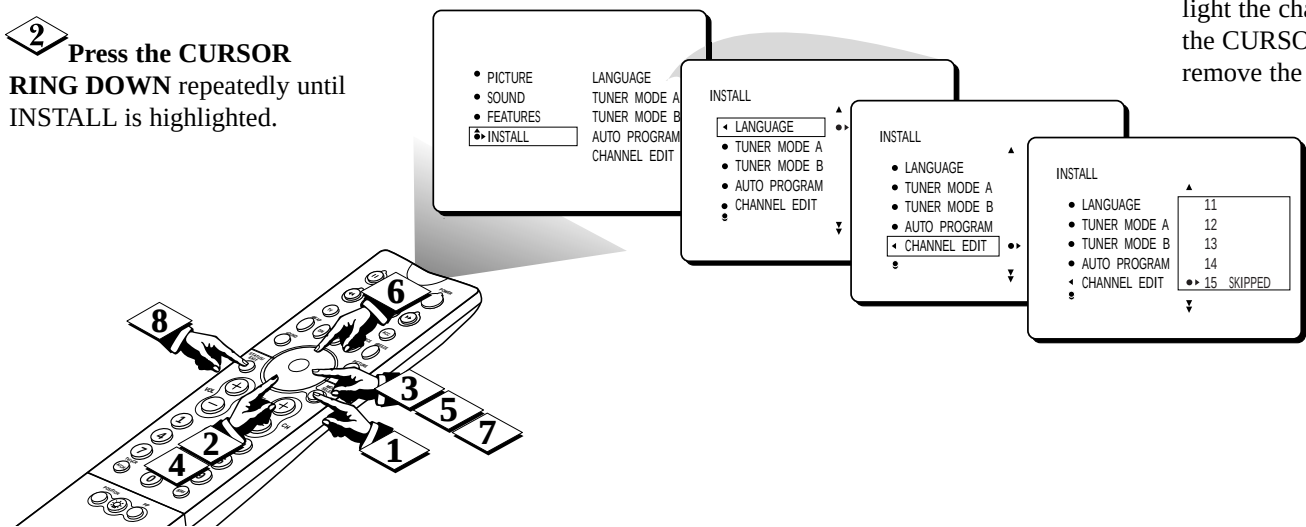
8 Press the **STATUS/EXIT** button to remove the menu from the screen.

STOP



SMART HELP

The channels available for you to edit are the ones that the **AUTO PROGRAM** feature found through a search of the antenna or cable TV signals you have connected to your TV. Channels not found during the search are marked **SKIPPED**.



AutoChron

SETTING TIME AUTOMATICALLY

AutoChron will set your **ATV's** clock automatically; however, you must ensure that a cable TV or antenna signal is present, because the time is received from a broadcast signal.

AutoChron also gives you the option of setting the clock manually (details are provided below).

BEGIN

1 Press the **MENU/SELECT** button on the remote to show the on-screen menu.

2 Press the **CURSOR RING DOWN** repeatedly until **INSTALL** is highlighted.

3 Press the **CURSOR RING RIGHT** to enter the **INSTALL** menu.

4 Press the **CURSOR RING DOWN** repeatedly until the **AutoChron** control is highlighted.

5 Press the **CURSOR RING RIGHT** to enter the **AutoChron SET TIME** area.

6 Press the **CURSOR RING RIGHT** again to select **AUTO**. Within a few seconds, a menu containing time zone options will appear.

7 If necessary, press the **CURSOR RING UP** or **DOWN** to highlight your correct time zone.

8 With your correct time zone highlighted, press the **CURSOR RING RIGHT**. Within a few seconds, you will be given the option of **Daylight Savings Time**.

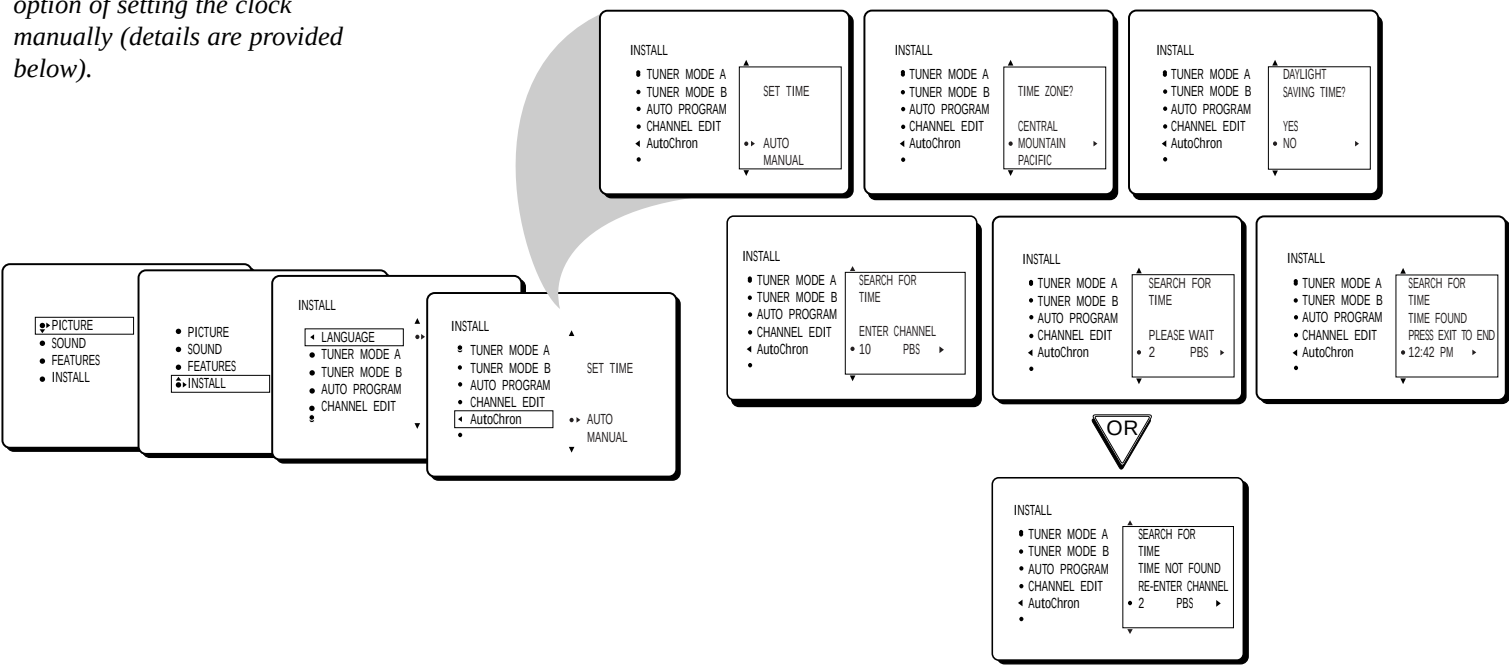
9 If necessary, press the **CURSOR RING DOWN** to highlight **NO** for **Daylight Savings Time**.

10 Press the **CURSOR RING RIGHT** to activate your selection.

11 Press the number buttons on your remote to enter the channel number for your **PBS** station (02, 15, or 121, for example). Wait until the TV completes its search. If the time was not found, you will need to locate the correct channel number for your **PBS** station and input that number.

12 When finished, press the **STATUS/EXIT** button to remove the menu from the screen.

STOP



SETTING TIME MANUALLY

BEGIN

1 First, follow steps 1–5 in “Setting Time Automatically” above.

2 Press the **CURSOR RING DOWN** to highlight **MANUAL**.

3 Press the **CURSOR RING RIGHT** to enter the **MANUAL** time input area.

4 Use the number buttons on your remote control to input the time. Or press the **CURSOR RING UP** or **DOWN** to select the digits for the time.

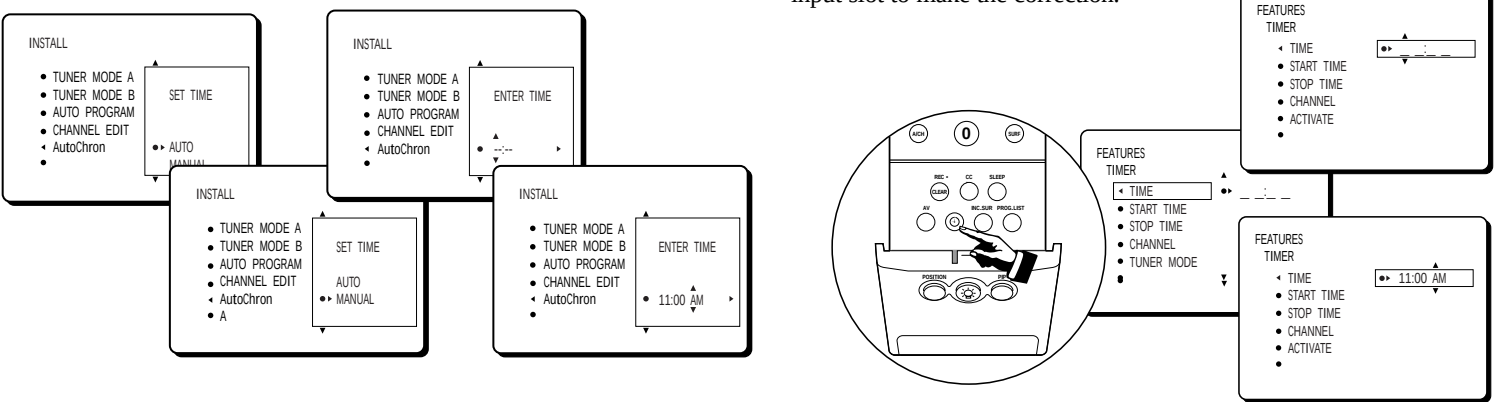
If you should need to change a number you have input, you can cursor left or right to the digit input slot to make the correction.

5 After you have input the time, press the **CURSOR RING RIGHT** to enter the **AM/PM** area.

6 Press the **CURSOR RING UP** or **DOWN** to select **AM** or **PM**.

7 Press the **STATUS/EXIT** button to remove the menu from the screen.

STOP



SMART HELP

You can also use the **CLOCK** button on your remote control to enter the **TIMER** mode and set the TV's clock manually. See page 13 in the *Directions for Use* manual that came with your TV for more details.

How to Use the Installation Features



NAME

The channel **NAME** feature allows you to list the “call” letters of your favorite stations beside their channel numbers when they appear on the screen. The TV has in memory a list of the 50 most popular channel names (ABC, NBC, or FOX, for example). You also can enter a custom name (up to five characters).

BEGIN

1 Press the **MENU/SELECT** button on the remote control to show the on-screen menu.

2 Press the **CURSOR RING DOWN** repeatedly until **INSTALL** is highlighted.

3 Press the **CURSOR RING RIGHT** to enter the **INSTALL** menu.

4 Press the **CURSOR RING DOWN** repeatedly until the **NAME** control is highlighted.

5 Press the **CURSOR RING RIGHT** to highlight the **NAME** options area.

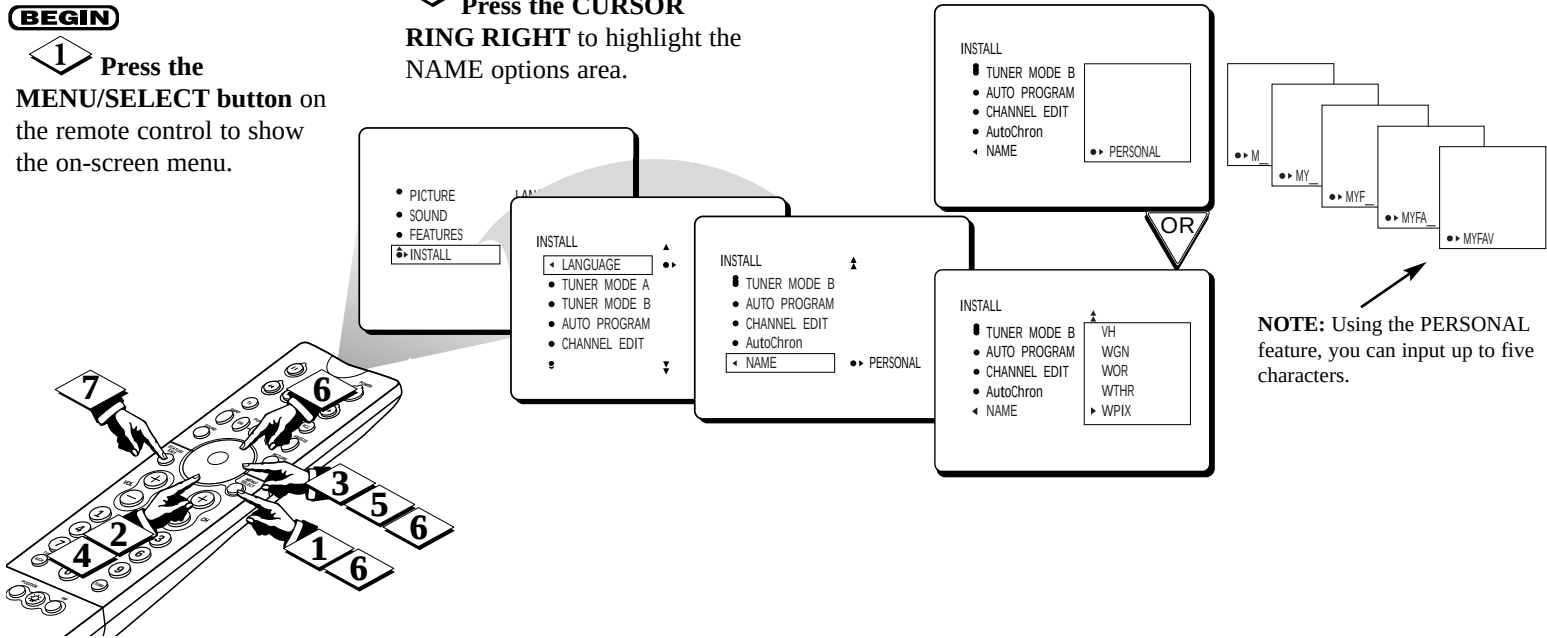
6 If you want to create your own personal name for the channel or edit a name you chose previously, **press the CURSOR RING RIGHT** to choose the **PERSONAL** option. Then press the **CURSOR RING UP** or **DOWN** to select the first character of the name. You can input up to four more characters in creating the name. Press the

MENU/SELECT button after you finish.

Or If you want to choose from among the preset list of name options, **press the CURSOR RING UP or DOWN** to highlight the choice you would like to select for the channel name. Then press the **CURSOR RING RIGHT** to activate your name choice.

7 Press the **STATUS/EXIT** button to clear the menu from the screen.

STOP



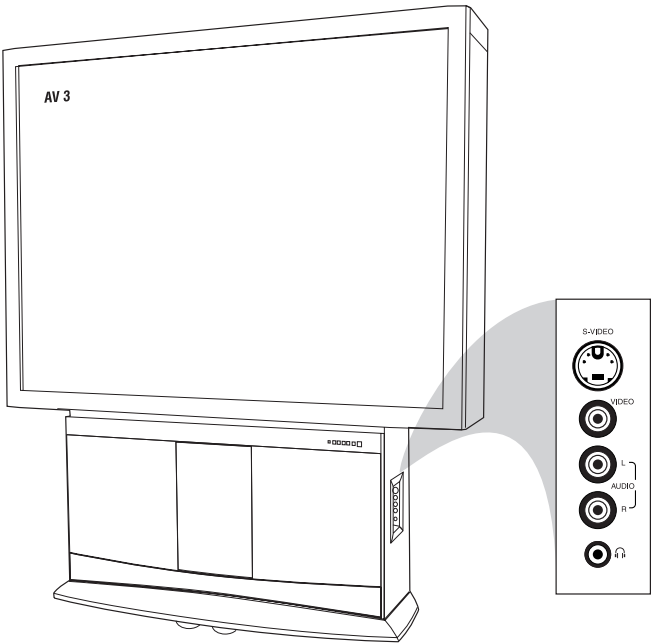
SMART HELP

The five characters that the channel **NAME** feature to input can be letters, a dash character, or the numbers 0 through 9. If you begin inputting a **PERSONAL** name and then decide you would rather have one of the preset ones, you can reset the **NAME** options area: With the **NAME** options area highlighted, press the **MENU/SELECT** button. Then you can press the **CURSOR RING RIGHT** to highlight the **NAME** options area again and choose a preset name for the channel.

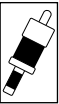
CONNECTION OPTIONS FOR ACCESSORY DEVICES

SUMMARY

- **ANT(enna) “A” input and PIP ANT(enna) “B” input**—for TV broadcast signals (see page 1, “Antenna A and B Inputs”; page 2, “Cable Box”; and page 5, “Tuner Mode”)
- **AV1 IN(puts)**—composite video and audio (see the “AV Inputs” section below)
- **AV2 IN(puts)**—composite video and audio (see the “AV Inputs” section below)
- **TV’s side inputs (identified on screen as AV 3)**—S-Video, composite video, and audio (see the illustration and information to the right)
- **Super Video (S-Video) inputs**—available on the back and side of the TV (see the illustration and information to the right and the “S-Video” section on the next page)
- **Headphone input**—one of the TV’s side inputs (see the information and illustration to the right)
- **Component Video inputs** (identified on screen as **CVI**)—labeled Y, Pb, Pr; provide optimal picture quality (Y = luminance, Pb = blue color component, Pr = red color component) (see the “Component Video” section on the next page).



The TV’s Side Inputs (AV3) The side of the TV has inputs for S-Video, composite video, and Audio. These inputs are convenient for camcorder playback. Use the S-Video for S-VHS playback. The TV recognizes these side inputs on screen as AV 3. Also included in the side panel is an input for headphones.



AV INPUTS

The TV’s audio/video (AV) inputs are for direct picture and sound connections between the TV and an accessory device that has AV outputs, such as a VCR. The illustration to the right shows a connection being made to the AV1 IN(puts) on the back of the TV. Following are the steps for making the connections and viewing the AV1 input source. This information is presented as an example of how you may choose to connect an accessory device to an AV input.

BEGIN

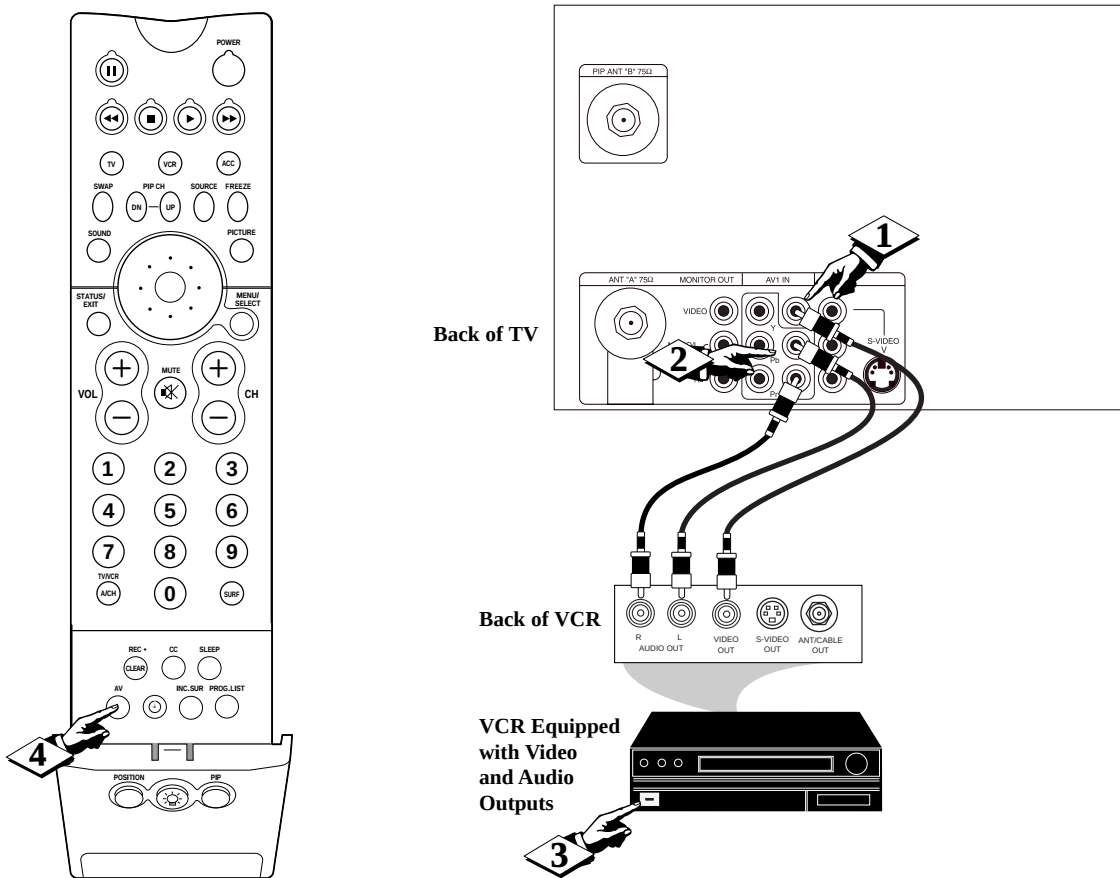
1 Use a video cable to connect from the VIDEO OUT on the back of the VCR to the AV1 IN(put) for VIDEO on the back of the TV.

2 Use audio cables to connect from the AUDIO OUT L(ef) and R(ight) on the back of the VCR to the AV1 IN(puts) for AUDIO on the back of the TV.

3 Turn the TV and VCR on.

4 Press the **AV** button on the remote control or the Source Select button on the TV until you access the AV 1 source. Then play the video source you have connected.

STOP



CONNECTION OPTIONS FOR ACCESSORY DEVICES



S-VIDEO

The *S(uper)-Video* connection on the back and side panels of your TV can provide you with better picture detail and clarity for the playback of accessory devices such as DVDs, satellite receivers, VCRs, and video game players than the AV (composite video) or antenna connections.

Following are the steps for making the connections and viewing the S-Video input source. Your TV will identify this connection on screen as AV 2.

NOTE: The accessory device must have an S-VIDEO OUT(put) jack for you to perform the connection described here.

BEGIN

1 Use an S-Video cable to connect the S-VIDEO OUT(put) of the DVD or other accessory device to the S-VIDEO input on the back of the TV.

2 Use audio cables to connect the L(eft) and R(ight) AUDIO OUT(puts) on the accessory device to the L(eft) and R(ight) AV2 IN(puts) for AUDIO on the back of the TV.

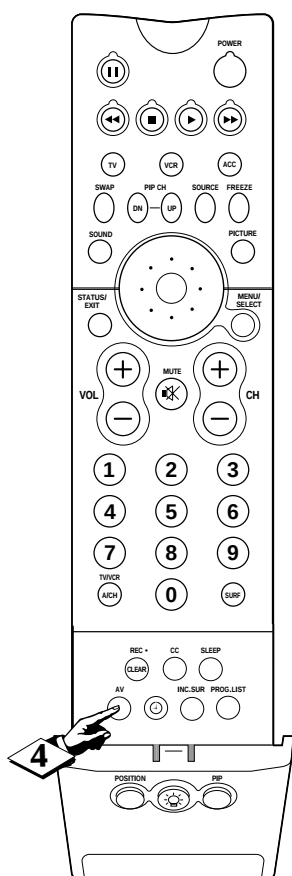
3 Turn the TV and accessory device on.

4 Press the AV button on the remote control or the Source Select button on the TV until you access the AV 2 source. Then play the video source you have connected.



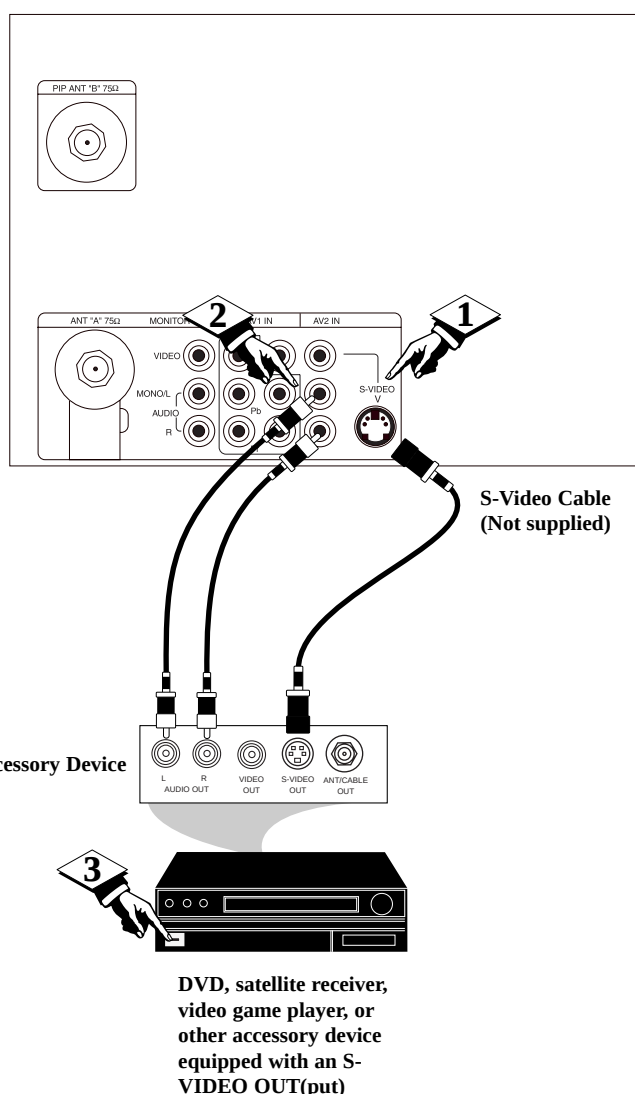
SMART HELP

To get an S-Video cable, contact your dealer, or our Parts Information Center at **1-800-851-8885**.



Back of TV

Back of Accessory Device



COMPONENT VIDEO

Component Video inputs provide the highest possible color and picture resolution in the playback of digital signal source material, such as the kind available from DVD players. The color difference signals (Pb, Pr) and the luminance (Y) signal are connected and received separately, allowing for improved color bandwidth information not possible through AV (composite video) or S-Video connections. Following are the steps for making Component Video input connections and viewing the video source on TV.

BEGIN

1 Use component video cables to connect the Component Video Inputs (Y, Pb, Pr) on the back of the DVD or other accessory device to the Y, Pb, Pr inputs on the back of the TV.

2 Use audio cables to connect the L(eft) and R(ight) AUDIO OUT(puts) on the back of the accessory device to the L(eft) and R(ight) AV1 IN(puts) for AUDIO on the back of the TV.

3 Turn the TV and accessory device on.

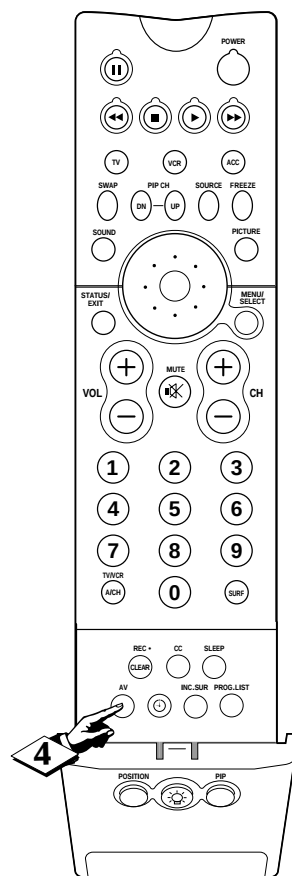
4 Press the AV button on the remote control or the Source Select button on the TV until you access the CVI source. Then play the video source you have connected.



SMART HELP

The three Component Video Input names may vary by accessory device. Examples: Y, Pb, Pr; Y, B-Y, R-Y; Y, Cr, Cb. The *b* stands for *blue*, the *r* for *red*, and the *Y* for the luminance signal. The owner's manual for the accessory device may provide more information concerning CVI connections.

If you need cables to make Component Video connections, contact your dealer, or our Parts Information Center at **1-800-851-8885**.



Back of TV

Back of Accessory Device

